

2014 ANNUAL REPORT AUTOMATED TRAFFIC ENFORCEMENT FOR THE CITY OF COUNCIL BLUFFS

In compliance to the requirements of Administrative Rules 761-144 this report documents the Red Light ATE program in the city on the state primary highway system.

The Council Bluffs Police Department does not have the resources to assign officers to monitor intersections for red light running. ATE offers an economical and effective deterrent to red light running.

The city ATE program consists of 13 red light cameras. (The IDOT ordered one camera removed following the 2013 annual report. That requirement was appealed and the city is waiting for the IDOT response as of this report preparation.) The city installed 7 cameras in 2005 and 6 additional cameras in 2009. These cameras are installed on 8 of the 90 signalized intersections in the city. Over the years many cameras were temporarily turned off for months at a time due to construction activities. The city does not use speed camera ATE.

The camera locations are:

2005 installations

- W Broadway/35th St eastbound
- W Broadway/21st St westbound
- W Broadway/16th St eastbound and westbound
- W Broadway/8th St eastbound and westbound
- S 7th St/Willow Ave southbound

2009 installations

- W Broadway/25th St eastbound and westbound
- Kanesville Blvd/Harrison St eastbound and westbound
- S Expressway/30th Ave eastbound and northbound (local roadway)

All camera locations are permanently marked with advance warning signs that are in conformance to IDOT and MUTCD recommendations. Also the Council Bluffs Police Department Traffic Unit provides information on the "Stop on Red" page of their web site. (<http://www.councilbluffs-ia.gov/index.aspx?NID=471>). The ATE data is reviewed every year to assure the program is making the streets safer in Council Bluffs.

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761-144.7(1)a Evaluation and reporting.

- (1) The red light running problem in Council Bluffs is exacerbated by the proximity to Omaha, Nebraska. Red light running is a very common occurrence in Omaha, which does not have an ATE program. Omaha has several fatalities from red-light running each year. The city of Council Bluffs has a metro area reputation as a place “you do not run red lights, because you will get a ticket.” The following is a post from city-datum forum a few years ago:

09-15-2010, 07:40 AM

pheaton

Location: Omaha, NE
1,048 posts, read 1,174,274 times
Reputation: 204

Quote:

Originally Posted by **rezfreak**

Pfft like the cops in omaha pull you over for running a red light anyway 😊

This is true. . People in Omaha run red lights like the world is coming to an end. Most people don't even realize it, because they think it's normal. Next time you are at a busy intersection count how many people go through the left arrow light after it's out or red. 3, 4? maybe 5.

 Rate this post positively

Read more: <http://www.city-data.com/forum/omaha/1083335-traffic-red-light-cameras-omaha-safety.html#ixzz2xfWjqb4f>

While this post hardly scientifically quantifies the problem of red-light running in Omaha it does illustrate a popular perception and common observation of the problem. In 2014 44% of the citations issued by the Council Bluffs ATE program were issued to Nebraska vehicles, with 41% issued to Iowa vehicles.

The ATE program has been in place in Council Bluffs since 2005. It has permanently changed the aggressive and distracted driver behavior in the city. Attachment A1 is a table showing by intersection tickets issued annually by ATE. Attachment A2 is a graphic depiction of this data. The general trend is that the number of violations decreases over time. This suggests that ATE modifies driver behavior to avoid red light running.

The Public Pulse, April 20

Red-light runners add to road dangers

I am writing to echo the letters from Linda Blankenship (April 9 Pulse) and James Kennedy (April 13 Pulse). I have witnessed countless examples of dangerous driving.

On a recent weekend, I was approaching an intersection to turn left. The light turned yellow, and I stopped to wait for the next green light. The car behind me swerved around me, laid on the horn and proceeded to turn left across three lanes of traffic through what was now a red light. I was horrified by this driver's lack of regard for the traffic light as well as the safety of everyone around him.

I am not advocating for surveillance similar to that in George Orwell's "1984," but what is it going to take for people to stop driving in such a dangerous manner with a complete disregard for the law?

Elizabeth Hertzler, Lincoln

The Public Pulse, April 13

Invest in cameras, make streets safer

In reply to an April 9 letter by Linda Blankenship, I've seen countless City of Omaha maintenance vehicles, Metro buses and school buses running red lights as well. In my neighborhood, I have also noticed not only school buses speeding down my street but also UPS and FedEx delivery trucks.

Just three months ago, my ex-wife was involved in an accident with one of those "special drivers." Fortunately, she walked away uninjured, except for her vehicle. The accident investigation was unable to prove that the "special driver" was at fault, resulting in my ex-wife having to replace her totaled SUV.

I think it's time that the City of Omaha and surrounding towns invest in red-light cameras. Maybe we can start to catch these "special drivers" and make them pay for such things as street repairs.

James Kennedy, Omaha

The Public Pulse, April 9

These drivers certainly aren't special

Where do I apply for the special driver's license, the license that allows me to ignore red lights and stop signs? The license that allows unlimited speed and no use of turn signals?

I see this special license used daily, way too often endangering my life and my loved ones. Endangering children walking and playing, endangering all of us, even those with the special license.

I want to know how they feel they have this right to a special license to ignore the laws and endanger our lives daily.

Linda Blankenship, Papillion

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AUTOMATED TRAFFIC ENFORCEMENT
FOR THE CITY OF COUNCIL BLUFFS**

761-144.7(1)a.

(2) Attachment B is a list of intersections with ATE for red light enforcement. Each intersection list shows by year the number of crashes, the crash types, and the citations issued by ATE. As directed by IDOT, the numbers of crashes shown are the total at that intersection, not the number at the ATE monitored approaches.

(3) The city's ATE cameras were installed prior to the requirement of a justification report. The selection of intersections for ATE was originally based on collision history and observed measurement of red light running occurrences. The city has 90 intersections with traffic signals. Attachment C1 shows 2014 Ranking of All Intersections in the city for Red Light Running Accidents. Attachment C2 is the 2014 Ranking of All Intersections in the city for Total Accidents. The city has 8 intersections with 1 or 2 legs monitored by ATE red light cameras. For RLR accidents these 8 intersections are ranked 26th, 34th, 35th, 36th, and four tied for 37th (with zero). The same 8 intersections are ranked 3rd, 6th, 11th, 24th, 28th, 30st, 35th, and 44th for total accidents. This information suggests that the intersections with camera enforcement are high accident locations but the presence of the cameras reduces the incidence of red light running accidents in comparison to non ATE intersections.

(4) See Attachment A1 for annual totals

(5) The city's red light camera program is photograph based therefore calibration of the system is not applicable. The determination of a violation is based on photographic evidence that the vehicle is behind the stop bar when the signal is red and a second photo of the vehicle in the intersection when the light is red. The system does perform a Certificate of Correct Functioning for every incident. An example is Attachment D.

ATTACHMENT A1

4/1/2015 Council Bluffs Red Light Camera Program

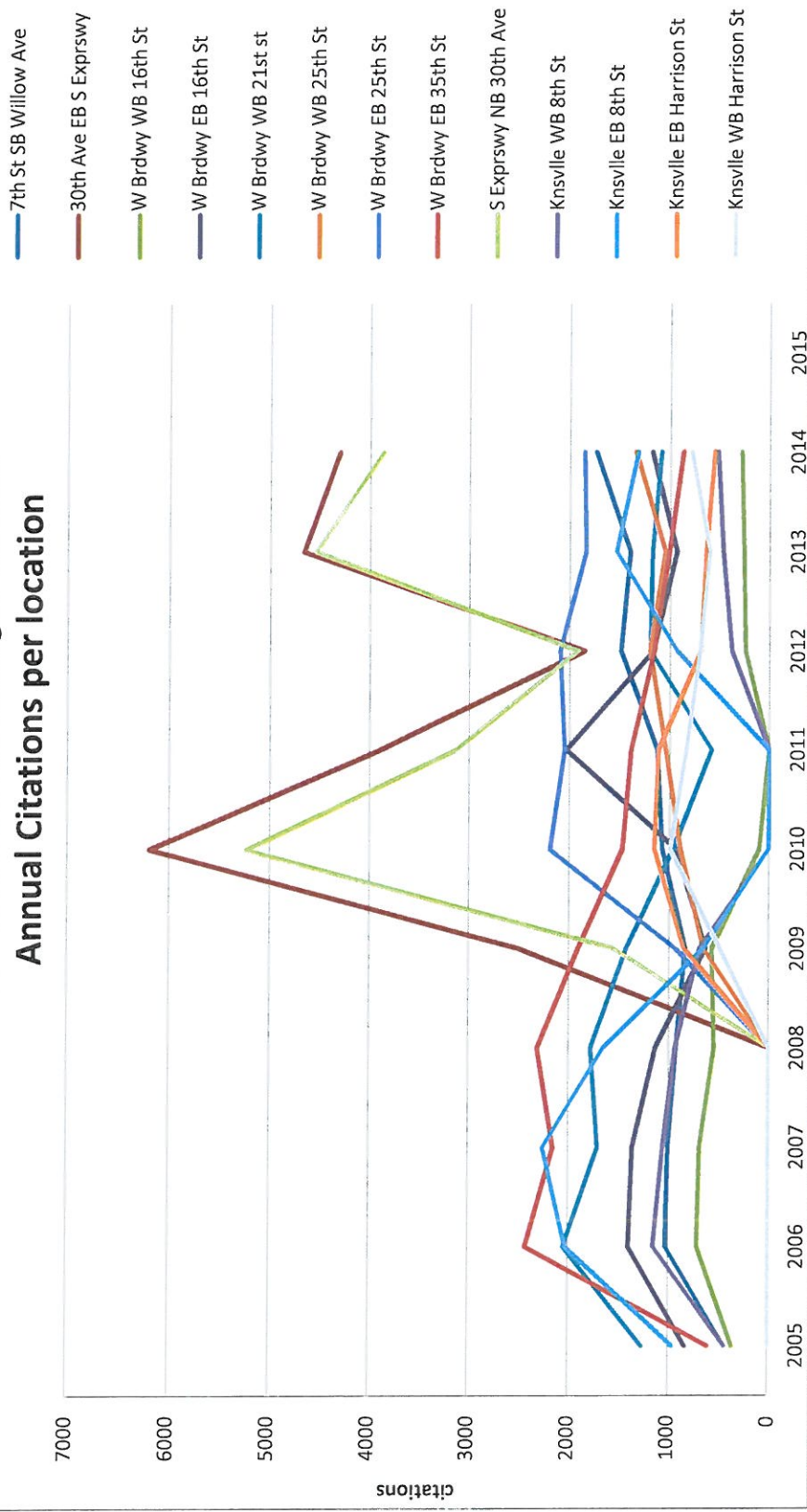
ANNUAL CITATIONS PRINTED per LOCATION

	7th St SB Willow Ave	30th Ave EB S Expsrwy	W Brdwy WB 16th St	W Brdwy EB 16th St	W Brdwy WB 21st st	W Brdwy WB 25th St	W Brdwy WB 25th St	W Brdwy EB 25th St	W Brdwy EB 35th St	S Expsrwy NB 30th Ave	Knsvlle WB 8th St	Knsvlle EB 8th St	Knsvlle EB Harrison St	Knsvlle WB Harrison St	TOTAL
2005	437	0	359	830	1262	0	0	0	603	0	438	956	0	0	4885
2006	1027	0	711	1396	2050	0	0	0	2427	0	1154	2032	0	0	10797
2007	1007	0	686	1359	1707	0	0	0	2157	0	1060	2253	0	0	10229
2008	929	0	545	1134	1777	0	0	0	2316	0	936	1656	0	0	9293
2009	838	2505	569	635	1426	661	938	1911	1560	1560	696	650	858	493	13740
2010	1071	6196	100	931	962	890	2188	1472	5237	5237	0	0	1153	991	21191
2011	1125	3896	0	2030	578	1040	2048	1388	3129	3129	0	0	1110	829	17173
2012	1487	1848	242	1168	1197	1202	2094	1161	1917	1917	381	925	689	697	15008
2013	1399	4664	261	933	1180	1052	1838	1013	4546	4546	470	1536	638	600	20130
2014	1737	4309	283	1186	1090	1350	1855	872	3869	3869	524	1322	559	784	19740
2015															

Notes

- 1) program started aug 2005
- 2) added 6 cameras sept 2009
- 3) turned off two cameras at Broadway/8th Nov 2009 for Broadway Viaduct project
turned off Broadway/16th WB camera Mar 2010 for Broadway Viaduct project
all three cameras turned back on Mar 2012
- 4) turned off two cameras S expressway/30th Ave Sept 2011 for construction
turned both cameras back on Sept 2012

COUNCIL BLUFFS Redlight Camera Annual Citations per location



Notes:

- 1) 30th Ave EB S Exprswy and S Exprswy NB 30th Ave were operational for a full year only in 2010 and 2013.

ATTACHMENT

B

Intersection: South 7th Street & Willow Ave

Adjacent to a school

Year	Number of Crashes	Crash Types	RLR Violations Issued	Speed Violations Issued
2004	1	1 Followed Too Close		
2005*	1	1 FTYROW Making Left	437	
2006	1	1 Over-Correcting/Over-Steering	1027	
2007	5	1 Ran Traffic Signal 2 Made Improper Turn 1 Followed Too Close 1 Unknown	1007	
2008	3	2 Ran Traffic Signal 1 Other Improper Action	929	
2009	3	1 Ran Traffic Signal 1 Swerving/Evasive Action 1 Other: Vision Obstructed	838	
2010	5	1 Crossed Centerline 1 Made Improper Turn 1 Followed Too Close 1 Lost Control 1 Other: Other Improper Action	1071	
2011	3	1 Ran Traffic Signal 1 Over-Correcting/Over-Steering 1 Inattentive/Distracted By: Use of Phone or Other	1125	
2012	6	1 Ran Traffic Signal 1 FTYROW: Other 2 Made Improper Turn 1 Lost Control 1 Other: Other Improper Action	1487	
2013	2	1 FTYROW: Making Left	1399	

		1 Made Improper Turn		
2014	3	2 Made Improper Turn 1 Other: Other Improper Action	1737	

* 1 Camera activated: Aug 2005

A crash diagram may be included for each year in lieu of the "Crash Types" column.

Intersection: 8th Street & Kanesville Boulevard

Year	Number of Crashes	Crash Types	RLR Violations Issued	Speed Violations Issued
2004	1	1 Other Improper Action		
2005*	2	1 Followed Too Close 1 Unknown	1394	
2006	9	1 Crossed Centerline 3 FTYROW: Making Left 4 Followed Too Close 1 None Indicated	3186	
2007	20	3 Ran Traffic Signal 7 FTYROW: Making Left 1 FTYROW: From Parked Position 1 Made Improper Turn 3 Followed Too Close 1 Other: Vision Obstructed 4 Unknown	3313	
2008	11	1 Ran Traffic Signal 1 FTYROW: Making Right Turn on Red Signal 2 FTYROW: Making Left 1 FTYROW: Other 2 Driving Too Fast for Conditions 2 Made Improper Turn 1 Followed Too Close 1 Unknown	2592	
2009	13	2 Ran Traffic Signal 3 FTYROW: Making Left 1 Made Improper Turn 2 Followed Too Close 1 Ran Off Road – Right 1 Inattentive/Distracted By: Passenger 1 Other: Other Improper Action 1 Unknown	1346	

		1 Other: No Improper Action		
2010	13	3 FTYROW: Making Left 1 FTYROW: Other 3 Followed Too Close 1 Ran Off Road – Right 1 Lost Control 1 Other: Other Improper Action 3 Unknown	0	
2011	17	3 Ran Traffic Signal 4 FTYROW: Making Left 2 Made Improper Turn 2 Followed Too Close 1 Lost Control 2 Other : Other Improper Action 2 Unknown 1 Other: No Improper Action	0	
2012	6	3 FTYROW: Making Left 1 FTYROW: Other 1 Made Improper Turn 1 Unknown	1306	
2013	18	2 Ran Traffic Signal 6 FTYROW: Making Left 1 FTYROW: To Pedestrian 4 Made Improper Turn 3 Followed Too Close 1 Other: Other Improper Action 1 Other: No Improper Action	2006	
2014	14	2 Ran Traffic Signal 2 FTYROW: Making Left 3 Followed Too Close 1 Ran Off Road - Left 1 Other: Other Improper Action 3 Unknown 2 Other: No Improper Action	1846	

* 2 Cameras activated: Aug 2005

A crash diagram may be included for each year in lieu of the "Crash Types" column.

Intersection: 16th Street & Broadway

Year	Number of Crashes	Crash Types	RLR Violations Issued	Speed Violations Issued
2004	3	1 FTYROW: From Driveway 1 FTYROW: Other 1 Lost Control		
2005*	14	3 Ran Traffic Signal 5 FTYROW: Making Left 1 Made Improper Turn 1 Followed Too Close 2 Lost Control 1 Other: Other Improper Action 1 Other: No Improper Action	1189	
2006	8	3 FTYROW: Making Left 1 made Improper Turn 2 Followed Too Close 1 Equipment Failure 1 Other: Other Improper Action	2107	
2007	10	1 Ran Traffic Signal 3 FTYROW: Making Left 1 FTYROW: Other 2 Made Improper Turn 2 Followed Too Close 1 Inattentive/Distracted By: Passenger	2045	
2008	8	1 Crossed Centerline 3 FTYROW: Making Left 3 Followed Too Close 1 Other Improper Action	1679	
2009	14	2 Ran Traffic Signal 4 FTYROW: Making Left 2 Made Improper Turn 4 Followed Too Close 1 Other: Other Improper Action	1204	

		1 Unknown		
2010	7	1 FTYROW: Making Right Turn on Red Signal 1 Followed Too Close 1 Lost Control 1 Inattentive/Distracted By: Passenger 1 Other: Other Improper Action 2 Unknown	1031	
2011	4	1 FTYROW: Making Right Turn on Red Signal 1 FTYROW: Other 2 Other	2030	
2012	11	1 Ran Traffic Signal 1 FTYROW: Making Left 1 FTYROW: To Pedestrian 2 Made Improper Turn 4 Followed Too Close 1 Ran Off Road – Right 1 Unknown	1410	
2013	15	2 Ran Traffic Signal 1 FTYROW: To Pedestrian 2 Driving Too Fast for Conditions 1 Made Improper Turn 2 Followed Too Close 1 Ran Off Road – Left 1 Lost Control 3 Other: Other Improper Action 2 Unknown	1194	
2014	6	1 FTYROW: Making Left 1 FTYROW: Other 1 Made Improper Turn 3 Followed Too Close	1469	

* 2 Cameras activated: Aug 2005

A crash diagram may be included for each year in lieu of the "Crash Types" column.

Intersection: 21st & W. Broadway

Year	Number of Crashes	Crash Types	RLR Violations Issued	Speed Violations Issued
2004	5	1 Ran Traffic Signal 1 Driving Too Fast For Conditions 2 Followed Too Close 1 Unknown		
2005*	1	1 Unknown	1262	
2006	3	2 FTYROW: Making Left 1 Followed Too Close	2050	
2007	6	1 Ran Traffic Signal 1 FTYROW: Making Left 1 Followed Too Close 1 Lost Control 1 Unknown 1 Other: No improper action	1707	
2008	4	1 Ran Traffic Signal 1 FTYROW: Other 1 Driving Too Fast for Conditions 1 Made Improper Turn	1777	
2009	4	1 Driving Too Fast for Conditions 1 Swerving/Evasive Action 1 Lost Control 1 Inattentive/Distracted By: Passenger	1426	
2010	5	1 Ran Traffic Signal 1 FTYROW: To Pedestrian 1 Followed Too Close 1 Other: Vision Obstructed 1 Other: Other Improper Action	962	

2011	6	1 FTYROW: From Driveway 1 Made Improper Turn 3 Followed Too Close 1 Inattentive/Distracted By: Passenger	578	
2012	3	1 Ran Traffic Signal 1 FTYROW: Making Right Turn on Red Signal 1 Followed Too Close	1197	
2013	12	1 Ran Traffic Signal 1 FTYROW: Making Right Turn on Red Signal 1 FTYROW: To Pedestrian 1 Followed Too Close 1 Inattentive/Distracted By: Use of Phone or Other 1 Inattentive/Distracted By: Fallen Object 2 Other: Other Improper Action 1 Unknown 3 Other: No Improper Action	1180	
2014	8	1 Made Improper Turn 4 Followed Too Close 1 Operating Vehicle in Reckless/Aggressive Manner 1 Lost Control 1 Unknown	1090	

* 1 Camera activated: Aug 2005

A crash diagram may be included for each year in lieu of the "Crash Types" column.

Intersection: 35th Street & W. Broadway

Year	Number of Crashes	Crash Types	RLR Violations Issued	Speed Violations Issued
2004	11	1 Animal 1 Ran Traffic Signal 2 FTYROW: Making Left 1 Driving Too Fast for Conditions 1 Exceeded Authorized Speed 1 Swerving/Evasive Action 1 Other: Other Improper Action 2 Unknown 1 Other: No Improper Action		
2005*	8	1 Ran Traffic Signal 1 FTYROW: Making Left 2 FTYROW: Other 1 Exceeded Authorized Speed 1 Followed Too Close 1 Lost Control 1 Unknown	603	
2006	7	1 Ran Traffic Signal 2 FTYROW: Making Left 1 Made Improper Turn 2 Followed Too Close 1 Other: Other Improper Action	2427	
2007	10	1 Ran Traffic Signal 2 Driving Too Fast for Conditions 1 Made Improper Turn 1 Followed Too Close 1 Lost Control 3 Other: Other Improper Action 1 Unknown	2157	

2008	13	1 Ran Traffic Signal 1 FTYROW: From Driveway 1 FTYROW: Other 1 Driving Too Fast for Conditions 1 Made Improper Turn 2 Followed Too Close 1 Inattentive/Distracted By: Fatigued/Asleep 1 Other: Vision Obstructed 3 Other Improper Action 1 Unknown	2316	
2009	13	1 Ran Traffic Signal 2 FTYROW: Making Left 1 FTYROW: From Driveway 1 FTYROW: Other 1 Made Improper Turn 4 Followed Too Close 1 Lost Control 2 Other: Other Improper Action	1911	
2010	6	1 Ran Traffic Signal 3 FTYROW: Making Left 2 Other: Other Improper Action	1472	
2011	9	1 Ran Traffic Signal 3 FTYROW: Making Left 1 FTYROW: Other 2 Made Improper Turn 1 Followed Too Close 1 Lost Control	1388	
2012	10	1 Ran Traffic Signal 1 FTYROW: From Driveway 1 FTYROW: To Pedestrian 3 Followed Too Close 2 Other: Other Improper Action 1 Unknown	1161	
2013	11	1 Ran Traffic Signal 2 Followed Too Close 1 Swerving/Evasive Action	1013	

		1 Ran Off Road – Right 4 Other: Other Improper Action 1 Unknown 1 Other: No Improper Action		
2014	12	1 Ran Traffic Signal 1 FTYROW: Making Left 1 FTYROW: Other 7 Followed Too Close 1 Other: Other Improper Action 1 Unknown	872	

* 1 Camera activated: Aug 2005

A crash diagram may be included for each year in lieu of the "Crash Types" column.

Intersection: Harrison St & E. Kanesville Blvd

Year	Number of Crashes	Crash Types	RLR Violations Issued	Speed Violations Issued
2007	9	5 Ran Traffic Signal 2 FTYROW: Making Left 1 Made Improper Turn 1 Followed Too Close		
2008	12	2 Ran Traffic Signal 1 FTYROW: Making Right Turn on Red Signal 3 FTYROW: Making Left 3 Followed Too Close 1 Lost Control 1 Other: Other Improper Action 1 Unknown		
2009*	5	2 FTYROW: Making Left 1 Swerving/Evasive Action 2 Lost Control	1351	
2010	8	2 Ran Traffic Signal 3 Followed Too Close 1 Other: Other Improper Action 1 Unknown 1 Other: No Improper Action	2144	
2011	7	3 Ran Traffic Signal 1 FTYROW: Making Left 1 Made Improper Turn 1 Lost Control 1 Unknown	1939	
2012	5	1 Ran Traffic Signal 1 FTYROW: Making Right Turn on Red Signal 1 Followed Too Close 1 Lost Control 1 Other: Other Improper Action	1386	

2013	11	3 Ran Traffic Signal 3 FTYROW: Making Left 1 Made Improper Turn 1 Other: Other Improper Action 1 Unknown 2 Other: No Improper Action	1238	
2014	6	1 Ran Traffic Signal 2 Followed Too Close 3 Other: Other Improper Action	1343	

* 2 Cameras activated: Aug 2009

A crash diagram may be included for each year in lieu of the "Crash Types" column.

Intersection: 25th Street & W. Broadway

Adjacent to a school

Year	Number of Crashes	Crash Types	RLR Violations Issued	Speed Violations Issued
2007	8	2 FTYROW: Making Left 3 Followed Too Close 1 Lost Control 1 Inattentive/Distracted By: Use of Phone or Other 1 None Indicated		
2008	2	1 Operating Vehicle in Reckless/Aggressive Manner 1 Other Improper Action		
2009*	7	1 FTYROW: Making Left 2 Followed Too Close 3 Unknown 1 Other: No Improper Action	1599	
2010	5	1 Ran Traffic Signal 1 FTYROW: Making Left 2 Followed Too Close 1 Other: Other Improper Action	3078	
2011	4	1 Made Improper Turn 1 Other: Other Improper Action 1 Unknown 1 Other: No Improper Action	3088	
2012	4	1 Made Improper Turn 1 Followed Too Close 2 Other: Other Improper Action	3296	
2013	4	1 Followed Too Close 2 Other: Other Improper Action 1 Other: No Improper	2890	

		Action		
2014	8	1 FTYROW: Making Left 4 Followed Too Close 1 Ran Off Road – Left 1 Lost Control 1 Unknown	3205	

* 2 Cameras activated: Aug 2009

A crash diagram may be included for each year in lieu of the "Crash Types" column.

Intersection: South Expressway & 30th Ave

Year	Number of Crashes	Crash Types	RLR Violations Issued	Speed Violations Issued
2007	18	4 FTYROW: Making Left 3 FTYROW: Other 6 Followed Too Close 2 Other: Other Improper Action 1 Unknown 1 Other: Other Improper Action 1 None Indicated		
2008	13	1 Ran Traffic Signal 2 Crossed Centerline 2 FTYROW: Making Left 1 FTYROW: Other 2 Followed Too Close 1 Lost Control 2 Other Improper Action 1 Unknown 1 Other: No Improper Action		
2009*	17	1 FTYROW: Making Right Turn on Red Signal 7 FTYROW: Making Left 1 Made Improper Turn 3 Followed Too Close 1 Other: Other Improper Action 4 Unknown	2505	
2010	13	2 Ran Traffic Signal 1 FTYROW: Making Left 1 FTYROW: Other 4 Followed Too Close 1 Cargo/Equipment Loss or Shift 1 Other: Other Improper Action 3 Unknown	6196	

2011	17	1 Ran Traffic Signal 3 FTYROW: Making Left 7 Followed Too Close 1 Swerving/Evasive Action 1 Lost Control 1 Inattentive/Distracted By: Passenger 3 Other: Other Improper Action	3896	
2012	21	3 Ran Traffic Signal 4 FTYROW: Making Left 1 Made Improper Turn 8 Followed Too Close 1 Lost Control 2 Other: Other Improper Action 2 Unknown	1848	
2013	23	2 Ran Traffic Signal 1 Crossed Centerline 1 FTYROW: Making Left 2 Made Improper Turn 9 Followed Too Close 4 Other: Other Improper Action 4 Unknown	4664	
2014	22	1 Ran Traffic Signal 1 FTYROW: Making Right Turn on Red Signal 2 Driving Too Fast for Conditions 2 Made Improper Turn 11 Followed Too Close 5 Other: Other Improper Action	4309	

* 2 Cameras activated: Aug 2009. One camera is not on primary system and RLR violations not included in totals shown. The camera on the primary system was ordered removed by IDOT following the review of the 2013 Annual Report. That IDOT order to remove the camera was appealed by the city and the IDOT response has not been received at the time of this report preparation.

A crash diagram may be included for each year in lieu of the "Crash Types" column.

ATTACHMENT C1

2014 Ranking of All Intersections Red-Light Running Accidents per Million Approach Vehicles

ATE Intersections Highlighted

Rank	Intersection	RLR/Mill
1	Pierce St & 1st St	2.739726027
2	16th St & Ave B	0.890967814
3	Kanesville & North Ave	0.761035008
4	Broadway & 6th St*	0.693601526
5	Kanesville & Ridge St	0.579664444
6	Hwy 92 & I-29 South	0.521678684
7	9th Ave & I-29 North	0.515276665
8	23rd Ave & 32nd St	0.411988876
9	Kanesville & Frank St	0.372397176
10	Broadway & Frank St*	0.342465753
11	6th St & Willow Ave	0.32615786
12	Hwy 92 & S. Expressway	0.306080441
13	Broadway & 7th St*	0.289918098
14	Nebraska Ave & I-29N	0.28435143
15	S. Expressway & 19th Ave	0.26181146
16	Kanesville & 6th St	0.261125241
17	24th St & Downing Dr	0.238237046
18	23rd Ave & Horseshoe Blvd	0.222741953
19	8th St & Ave G	0.220945647
20	23rd Ave & 29th St	0.205994438
21	Madison Ave & Bennett Ave	0.202942669
22	Madison Ave & Rue St*	0.202942669
23	16th St & Ave G	0.188907538
24	7th St & 5th Ave	0.18637592
25	Bennett Ave & Franklin Ave	0.180245133
26	Kanesville & 8th St	0.169364574
27	Broadway & 1st St	0.169118891
28	24th St & Hwy 92	0.159676304
29	Nebraska Ave & 35th St	0.155666252
30	Hwy 92 & Valley View Dr	0.150212513
31	Madison Ave & I-80 West	0.137584795
32	Kanesville & 7th St	0.130743308
33	S. Expressway & 32nd Ave	0.113681578
34	W. Broadway & 35th St	0.111312153
35	Kanesville & Harrison St	0.104096889
36	S. Expressway & I-80 East	0.076006381
37	16th St & Big Lake Rd	0
38	23rd Ave & MidAmerica Dr	0
39	24th St & 23rd Ave	0
40	24th St & 27th Ave	0
41	24th St & I-80 East	0
42	24th St & I-80 West	0
43	24th St & Marketplace Dr	0
44	6th St & 5th Ave	0
45	7th St & 32nd Ave	0
46	9th Ave & 35th St	0
47	9th Ave & I-29 South*	0
48	9th Ave & Main St	0
49	Bennett Ave & Bonham Ave	0
50	Bennett Ave & McPherson Ave	0
51	Broadway & 2nd St	0
52	Broadway & 4th St	0
53	Broadway & Glen Ave	0
54	Broadway & Main	0
55	East Pierce St & North Ave*	0
56	Hwy 6 & College Rd	0
57	Hwy 6 & McKenzie	0
58	Hwy 6 & Railroad Hwy	0
59	Hwy 6 & Sherwood Dr	0
60	Hwy 92 & East Manawa Dr	0
61	Hwy 92 & I-29 North	0
62	Hwy 92 & Metro Dr	0
63	Hwy 92 & S. 11th St	0
64	Hwy 92 & Twin City Drive	0
65	Kanesville & 2nd St	0
66	Kanesville & Main St	0
67	Kanesville & Oakland Ave	0
68	Langdon Blvd & E. S. Omaha Bridge Rd.	0
69	Langdon Blvd & Hwy 92	0
70	Langdon Blvd & L.C. High School Entrance	0
71	Langdon Blvd & L.C. Mid School Entrance	0
72	Langdon Blvd & Woodbury Ave	0
73	Langdon Blvd/3rd St & 16th Ave	0
74	Madison Ave & I-80 East	0
75	Madison Ave & Valley View Dr	0
76	Madison Ave & Woodbury Ave*	0
77	Mall Dr & Bennett Ave	0
78	Mall Dr & Valley View Dr	0
79	N. 25th St & Ave N/Nash Blvd	0
80	Nebraska Ave & I-29S/River Rd	0
81	S. Expressway & 23rd Ave	0
82	S. Expressway & 35th Ave	0
83	S. Expressway & I-80 West	0
84	W. Broadway & 18th St	0
85	W. Broadway & 28th St	0
86	W. Broadway & 32nd St	0
87	7th St & Willow Ave	0
88	W. Broadway & 16th St	0
89	W. Broadway & 21st St	0
90	W. Broadway & 25th St	0

ATTACHMENT C2

2014 Ranking of All Intersections Total Accidents per Million Approach Vehicles

ATE Intersections Highlighted

Rank	Intersection	Total Acc/Mill
1	Pierce St & 1st St	3.287671233
2	Kanesville & North Ave	2.473363775
3	S. Expressway & I-80 East	1.672140393
4	Nebraska Ave & I-29N	1.42175715
5	24th St & 27th Ave	1.369863014
6	W. Broadway & 35th St	1.335745839
7	24th St & Hwy 92	1.277410434
8	Kanesville & Ridge St	1.275261776
9	Hwy 92 & I-29 North	1.248640802
10	Broadway & 6th St*	1.21380267
11	Kanesville & 8th St	1.185552016
12	Nebraska Ave & 35th St	1.089663761
13	Broadway & Frank St*	1.02739726
14	Madison Ave & Woodbury Ave*	1.024196646
15	Hwy 92 & Metro Dr	0.946909917
16	16th St & Ave G	0.944537691
17	Hwy 92 & S. Expressway	0.918241323
18	16th St & Ave B	0.890967814
19	Nebraska Ave & I-29S/River Rd	0.888271705
20	Broadway & 7th St*	0.869754294
21	24th St & I-80 East	0.864703329
22	Hwy 6 & Railroad Hwy	0.852103577
23	Broadway & 1st St	0.845594453
24	W. Broadway & 21st St	0.833376738
25	23rd Ave & 32nd St	0.823977753
26	Hwy 92 & I-29 South	0.782518026
27	9th Ave & I-29 North	0.772914997
28	7th St & Willow Ave	0.768147484
29	W. Broadway & 18th St	0.767123288
30	W. Broadway & 25th St	0.709314182
31	S. Expressway & 32nd Ave	0.682089467
32	9th Ave & 35th St	0.681523887
33	S. Expressway & 19th Ave	0.654528651
34	6th St & Willow Ave	0.652315721
35	Kanesville & Harrison St	0.624581335
36	Madison Ave & Bennett Ave	0.608828006
37	Madison Ave & Valley View Dr	0.608828006
38	Hwy 92 & S. 11th St	0.582920431
39	Broadway & Main	0.566839868
40	Langdon Blvd & Hwy 92	0.549704259
41	Mall Dr & Valley View Dr	0.547945205
42	S. Expressway & I-80 West	0.54511063
43	Kanesville & 6th St	0.522250482
44	W. Broadway & 16th St	0.5146314
45	Kanesville & Main St	0.513057309
46	Kanesville & Frank St	0.496529569
47	24th St & Downing Dr	0.476474092
48	7th St & 32nd Ave	0.456621005
49	Broadway & 2nd St	0.456621005
50	W. Broadway & 32nd St	0.454726312
51	16th St & Big Lake Rd	0.453446876
52	Hwy 92 & Valley View Dr	0.450637539
53	23rd Ave & Horseshoe Blvd	0.445483907
54	Madison Ave & I-80 West	0.412754386
55	23rd Ave & 29th St	0.411988876
56	7th St & 5th Ave	0.37275184
57	W. Broadway & 28th St	0.37053368
58	Kanesville & Oakland Ave	0.370233247
59	Bennett Ave & Franklin Ave	0.360490267
60	9th Ave & I-29 South*	0.355623835
61	Kanesville & 2nd St	0.28130048
62	24th St & I-80 West	0.275557056
63	Kanesville & 7th St	0.261486617
64	6th St & 5th Ave	0.25846472
65	Langdon Blvd & L.C. High School Entrance	0.25846472
66	Hwy 6 & McKenzie	0.244618395
67	24th St & Marketplace Dr	0.238237046
68	Hwy 6 & College Rd	0.232180172
69	8th St & Ave G	0.220945647
70	23rd Ave & MidAmerica Dr	0.205994438
71	Madison Ave & Rue St*	0.202942669
72	Hwy 92 & Twin City Drive	0.199980002
73	Broadway & 4th St	0.195694716
74	Bennett Ave & Bonham Ave	0.18387423
75	S. Expressway & 35th Ave	0.167056465
76	Hwy 92 & East Manawa Dr	0.144959049
77	S. Expressway & 23rd Ave	0.100019204
78	24th St & 23rd Ave	0
79	9th Ave & Main St	0
80	Bennett Ave & McPherson Ave	0
81	Broadway & Glen Ave	0
82	East Pierce St & North Ave*	0
83	Hwy 6 & Sherwood Dr	0
84	Langdon Blvd & E. S. Omaha Bridge Rd.	0
85	Langdon Blvd & L.C. Mid School Entrance	0
86	Langdon Blvd & Woodbury Ave	0
87	Langdon Blvd/3rd St & 16th Ave	0
88	Madison Ave & I-80 East	0
89	Mall Dr & Bennett Ave	0
90	N. 25th St & Ave N/Nash Blvd	0

ATTACHMENT D

AUTOMATICALLY GENERATED CERTIFICATE OF CORRECT FUNCTIONING

VIOLATION - TICKET - CITATION

Date/Time: 12/17/2014 1:20:38PM

City/State/Approach Location: COU-EX30-01

Incident Number: 253851008

Violation/Ticket/Citation Identification No.: CR00141975

This computer generated Certificate of Correct Functioning documents that an automated verification routine was performed in the ordinary and normal course of business on the above-designated camera system and that the alarms described below were not triggered as of the time and date of the violation, ticket, or citation indicated above. The computer-automated alarm verification routine is performed automatically one (1) time per day, every day. The system would not have captured an incident if any of the alarms listed below had been triggered.

The alarms described below operate on the above-designated camera system, camera housing and containers and/or the related electronic components or computers. The computer-automated alarm verification routine detects and records a specific type of interruption, disruption, and/or stoppage of system operations which would trigger or activate the alarms.

The information and data contained herein is stored on a secured computer server owned and operated by Redflex Traffic Systems, Inc. located in Phoenix, Arizona.

ALARM DESCRIPTION AND DETECTION

<i>ALARM DESCRIPTION:</i>	<i>ALARM TRIGGERED: Yes or No</i>
1) Invalid Computer Authentication	No
2) Computer Memory Capacity Exceeded	No
3) Software Program Malfunction	No
4) Repeated Software Program Malfunction	No
5) Invalid Computer Time-Clock	No

Redflex Traffic Systems, Inc. 23751 N. 23rd Ave, Suite 150, Phoenix, Arizona 85085